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METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY,

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

OBSERVANDA.

Height of the Cistern of the Barometer above the plinth at Waterloo Bridge....83 feet 2 inches.
_____ above the mean level of the sea .....97 feet.
Height of the receiver of the Rain Gauge above the court of Somerset House ..79 feet.
The External Thermometer is 2 feet higher than the Barometer Cistern.
The Thermometers are graduated to Fahrenheit's scale.
The Barometer is divided into inches and tenths.
The Hours of Observation are of Mean Time, the day beginning at Midnight.
The *daily* observations of the Barometer are *not* corrected.
The *monthly means* are corrected for capillarity and temperature by the Table contained in Mr. Baily's paper in *Phil. Trans.* for 1837.

METEOROLOGICAL JOURNAL FOR JULY AND AUGUST, 1842.

1842.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers. Fahrenheit. 9 A.M.	External Thermometers. Fahrenheit. 3 P.M.	External Thermometers. Self-registering. Lowest	External Thermometers. Self-registering. Highest	Rain in Inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
JULY															
F 1	29.814	29.806	64.0	29.904	29.896	66.4	57	02.6	51.3	65.2	52.3	70.0	.111	W	A.M. Overcast—light rain and wind. P.M. Cloudy—light wind. Evening, Overcast—light rain.
S 2	29.914	29.908	81.2	29.894	29.886	68.3	55	08.3	63.0	65.7	52.2	76.6	.316	W	Cloudy—light breeze, with occasional showers throughout the day. Evening, Starlight—light clouds.
☉ 3	30.034	30.026	79.0	30.010	30.002	69.0	57	08.3	62.8	69.3	52.0	77.6	.213	W	Cloudy—lt. breeze throughout the day. Ev. Overcast—slight rain.
M 4	29.806	29.800	65.3	29.758	29.750	69.0	60	06.6	64.7	71.7	58.8	71.4	.100	S	A.M. Overcast—light breeze. P.M. Cloudy. Evening, Fine and starlight—light clouds. Rain in the night.
T 5	29.746	29.740	82.8	29.796	29.792	69.4	59	10.0	66.7	68.5	61.4	75.7	.055	SSE var.	Cloudy—very high wind, with occasional showers throughout the day. Rainbow at ½ p. 6. Evening, Overcast—rain.
W 6	30.136	30.130	83.4	30.184	30.178	69.0	52	09.3	62.3	67.2	52.4	79.4	.033	W	A.M. Fine—lt. clouds & breeze. P.M. Cloudy—lt. breeze. Ev. Fine and starlight.
T 7	30.150	30.142	67.2	30.032	30.024	65.8	55	08.2	63.2	59.0	52.3	72.7	.022	SSE	A.M. Cloudy—stiff breeze—rain in the night. P.M. Overcast—light rain & breeze. Ev. The same.
○ F 8	29.856	29.848	70.4	29.776	29.768	66.4	56	06.7	61.8	64.3	54.0	66.6	.041	S	A.M. Fine—light clouds and breeze. P.M. Cloudy—high wind. Evening, Cloudy—light showers.
S 9	29.748	29.742	73.3	29.790	29.782	66.0	58	07.7	62.8	62.4	54.3	73.3	.102	W	A.M. Cloudy—light breeze. P.M. Overcast—light rain and wind. Evening, Cloudy—light rain.
☉ 10	29.970	29.962	80.8	29.950	29.946	68.0	57	08.0	62.2	69.0	53.2	77.8	.116	S	Fine—light clouds and breeze throughout the day. Ev. Cloudy.
M 11	29.724	29.718	68.0	29.650	29.644	68.9	61	07.0	67.2	73.4	56.3	82.7	.072	S	Cloudy—high wind throughout the day. (Rain—high wind during the night.) Evening, Cloudy—light rain.
T 12	29.922	29.914	76.0	30.020	30.012	70.0	59	08.0	65.0	71.5	58.0	75.2	.038	WNW	A.M. Cloudy—lt. breeze. P.M. Fine—lt. clds. Ev. Fine & starlight.
W 13	30.212	30.204	69.7	30.242	30.234	70.4	60	07.8	66.5	70.8	57.3	76.2		SW var.	A.M. Cloudy—stiff breeze. P.M. Dark heavy clouds—stiff breeze. Evening, Fine and starlight.
T 14	30.432	30.424	83.6	30.402	30.394	70.6	60	07.0	63.2	70.3	55.0	76.3		W	Fine—light clouds and breeze throughout the day. Evening, Fine and starlight.
F 15	30.468	30.462	81.0	30.356	30.348	69.8	54	09.8	64.3	71.7	56.0	76.3		N	A.M. Fine—light clouds and breeze. P.M. Fine & cloudless. Evening, Fine and starlight.
S 16	30.250	30.246	84.0	30.150	30.142	69.4	59	07.5	62.8	65.8	54.6	73.2		E	Fine—lt. clouds & breeze throughout the day. Ev. Fine & moonlight.
☉ 17	29.978	29.972	84.5	29.890	29.886	70.0	63	07.2	64.0	65.8	57.3	74.6		E	Fine—light clouds—stiff breeze throughout the day. Ev. Overcast.
M 18	29.886	29.882	70.2	29.894	29.888	70.4	62	06.7	67.2	75.8	59.7	75.6	.036	NW	A.M. Cloudy—lt. fog and breeze. Rain in the night. P.M. Cloudy. Evening, The same.
T 19	29.888	29.880	68.4	29.842	29.836	70.4	61	05.9	64.3	68.8	62.0	77.8		E	Cloudy—light breeze throughout the day—shower early. Evening, Dark heavy clouds—light rain.
W 20	29.790	29.784	76.2	29.768	29.762	69.0	60	07.3	64.7	63.0	57.3	71.0	.033	S	A.M. Fine—light clouds and breeze. P.M. Cloudy—light showers. Ev. Moonlight, with lightning.
T 21	29.772	29.766	67.3	29.834	29.826	66.5	61	05.9	60.8	60.4	56.8	72.4	.038	W	A.M. Ovct.—lt. rain & breeze. P.M. Cloudy, with occasionally slight rain.
● F 22	30.046	30.040	78.8	30.108	30.100	66.7	54	08.0	59.8	61.7	52.6	72.2	.025	NW	Cloudy—light breeze throughout the day. Evening, The same.
S 23	30.262	30.256	67.3	30.246	30.238	65.6	52	06.7	58.4	64.5	55.0	64.4		NNW	A.M. Cloudy—light breeze. P.M. Fine—light clouds and breeze. Evening, Fine and moonlight—light fog.
☉ 24	30.180	30.174	76.2	30.076	30.070	67.2	58	07.2	64.3	73.5	53.7	79.7		NNW	A.M. Thick haze—light breeze. P.M. Cloudy—light breeze. Ev. Fine and moonlight.
M 25	29.966	29.958	65.0	29.954	29.946	69.0	63	05.2	64.7	68.2	57.6	76.7		E	A.M. Cloudy—light breeze. P.M. Fine—light clouds and breeze. Evening, Fine and moonlight.
T 26	30.046	30.040	79.8	30.062	30.054	68.8	58	06.7	61.7	69.3	52.4	72.3		N	Fine—lt. clouds & breeze throughout the day. Ev. Fine & starlight.
W 27	30.212	30.204	63.6	30.200	30.192	66.7	58	05.2	57.4	68.7	56.8	71.4	.050	E	A.M. Ovct.—lt. rain. P.M. Fine—lt. clds. & breeze. Ev. Ovct.—slt. rain. ½ p. 12, very hvy. thunder & vivid lightning, until ¼ to 6.
T 28	30.112	30.104	70.0	30.020	30.012	67.4	60	02.8	61.3	69.8	56.3	70.3	.091	W	A.M. Overcast—thunder and lightning until ½ p. 6. At ¼ to 6, very heavy rain. P.M. Fine—lt. clouds. Ev. Moonlight—lt. clouds.
F 29	29.910	29.902	64.8	29.942	29.936	66.3	53	01.7	53.0	61.2	55.2	71.6	.205	N	A.M. Overcast—light rain and wind. P.M. Fine—light clouds—stiff breeze. Evening, Fine and starlight.
S 30	30.082	30.074	63.2	30.096	30.090	64.3	52	07.2	57.3	62.7	50.4	64.4	.150	NW	Cloudy—lt. breeze throughout the day. Ev. Fine & starlight—lt. clds.
☉ 31	30.186	30.178	61.8	30.206	30.198	64.4	53	05.7	57.8	64.8	55.7	64.5		NW	A.M. Ovct.—lt. wind. P.M. Cloudy—lt. breeze. Ev. Fine & starlt.
MEAN.	30.016	30.009	73.1	30.002	29.995	68.1	58	06.8	62.1	67.2	55.5	73.5	Sum. 1.847		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.901 .. 29.900 C. 29.893 .. 29.893
AUGUST															
M 1	30.340	30.334	62.5	30.310	30.302	64.0	53	03.5	58.0	67.3	55.5	67.0		N	Overcast—light wind throughout the day. Evening, The same.
T 2	30.230	30.226	62.0	30.112	30.108	64.5	54	05.0	60.0	70.6	55.0	69.0	.186	SSE	A.M. Overcast—light wind. P.M. Fine—light clouds—brisk wind. Evening, The same.
W 3	30.004	30.000	65.0	29.950	29.944	68.0	62	02.5	64.2	77.4	58.5	71.5	.027	N	A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, The same.
T 4	29.916	29.912	73.0	29.884	29.878	70.5	60	06.5	70.0	80.0	61.0	78.5		N	A.M. Fine—light clouds and wind. P.M. Lightly overcast—brisk wind. Ev. Fine—lt. clouds & wind.
F 5	29.998	29.994	70.0	29.982	29.976	71.0	63	06.5	69.4	73.8	64.5	81.5		S	A.M. Overcast—brisk wind. P.M. Fine—light clouds—brisk wind. Ev. The same.
S 6	29.968	29.964	69.0	29.974	29.970	70.0	64	05.5	68.2	68.6	63.2	75.5		S	A.M. Overcast—light rain & wind. P.M. Slightly overcast—light wind. Evening, Overcast—light rain.
○☉ 7	30.040	30.036	71.2	30.000	29.996	70.4	56	07.0	65.0	73.0	60.0	70.5	.172	SE var.	Fine—light clouds and wind throughout the day. Ev. The same.
M 8	30.110	30.104	72.0	30.090	30.084	71.0	60	06.9	68.0	74.5	58.0	74.5		S	A.M. Lightly overcast—light wind. P.M. Fine—light clouds and wind. Evening, Fine and starlight.
T 9	30.092	30.086	74.0	30.004	30.000	72.0	59	08.4	69.8	77.0	60.2	80.0		ESE	Fine—nearly cloudless—brisk wind throughout the day. Ev. Fine & starlight.
W 10	29.794	29.790	74.0	29.660	29.656	75.0	63	12.5	80.0	83.6	66.0	82.5		SE	A.M. Fine—light clouds and wind. P.M. Overcast—brisk wind. Ev. Overcast—heavy rain, with thunder and lightning.
T 11	29.936	29.932	76.0	30.090	30.084	72.0	57	08.2	65.0	69.9	62.0	87.0	.250	E var.	Fine—light clouds, with brisk wind throughout the day. Evening, Fine and starlight.
F 12	30.350	30.346	74.0	30.334	30.328	72.0	58	06.8	66.4	73.0	59.5	76.0	.138	SSE	A.M. Fine—light clouds—brisk wind. P.M. Fine and cloudless—brisk wind. Evening, Fine and starlight—brisk wind.
S 13	30.468	30.462	69.0	30.472	30.466	71.2	64	03.5	67.5	73.5	61.2	76.0	.172	S	Overcast—light wind throughout the day. Ev. Fine and starlight.
☉ 14	30.472	30.466	72.0	30.396	30.392	73.0	65	06.0	72.0	79.6	65.2	75.2	.083	W	A.M. Light fog. P.M. Fine—light clouds and wind. Evening, Fine and starlight—light wind.
M 15	30.288	30.282	73.0	30.210	30.204	74.0	65	05.0	70.7	83.0	61.0	80.2		ESE	A.M. Light fog. P.M. Fine—nearly cloudless. Ev. Fine & starlight.
T 16	30.248	30.244	73.5	30.216	30.210	74.0	63	10.0	72.7	81.7	63.4	84.0		ENE	Fine—lt. clouds and wind throughout the day. Ev. Fine & starlight.
W 17	30.186	30.182	73.4	30.104	30.098	74.0	62	05.5	67.0	74.2	61.5	82.5		E	Fine—nearly cloudless—brisk wind throughout the day. Evening, Fine and moonlight.
T 18	30.012	30.006	74.0	29.950	29.946	75.5	68	05.5	73.4	85.3	63.0	74.5		ESE	Fine—light clouds and wind throughout the day. Evening, Lightly overcast—light wind.
F 19	29.996	29.992	74.0	29.972	29.966	74.5	65	06.0	70.4	70.6	67.2	86.0		WSW	Overcast—lt. wind throughout the day. Ev. Moonlight—lt. clouds.
S 20	30.058	30.052	72.0	30.074	30.068	73.0	60	07.0	66.8	69.8	63.0	75.5		WNW v.	Overcast—brisk wind throughout the day. Evening. Fine and moonlight—brisk wind,
● ☉ 21	30.058	30.052	70.0	30.014	30.010	72.0	60	06.5	69.8	73.7	62.0	72.2		S	A.M. Heavy clouds—brisk wind. P.M. Fine—light clouds—brisk wind. Evening, Fine—light clouds and wind.
M 22	30.012	30.006	72.0	29.984	29.980	72.0	59	09.0	70.0	77.0	60.5	74.5		NNE	Fine—lt. clouds & wind throughout the day. Ev. Fine & moonlight.
T 23	29.966	29.960	73.0	29.838	29.834	73.0	64	05.0	72.0	75.5	65.0	79.0		S	A.M. Light fog and wind. P.M. Fine—light clouds—brisk wind. Evening, Fine and moonlight.
W 24	29.900	29.896	69.0	29.810	29.804	71.0	56	05.5	62.8	74.0	59.5	80.0		SW	A.M. Thick fog—light wind. P.M. Fine—light clouds and wind. Evening, Overcast—rain, with vivid lightning.
T 25	29.760	29.754	67.0	29.750	29.744	69.0	61	02.0	61.5	69.0	57.5	74.5	.166	NE	Overcast—brisk wind with showers throughout the day. Ev. Overcast—very heavy rain with lightning, with high wind.
F 26	29.890	29.886	69.0	29.884	29.880	70.0	63	05.5	68.0	73.0	61.0	70.5	.369	ENE	A.M. Lightly ovct.—lt. wind. P.M. Fine—lt. clds. & wind. Ev. Same.
S 27	30.008	30.004	67.0	29.980	29.974	69.0	61	04.0	63.0	70.8	60.0	74.0		N	A.M. Overcast—brisk wind. P.M. Fine—lt. clouds—brisk wind. Evening, The same.
☉ 28	30.046	30.040	67.0	30.032	30.026	69.0	61	02.0	62.0	69.5	61.0	71.5	.127	N	A.M. Overcast. P.M. Fine—light clouds and wind. Evening, Fine and starlight.
M 29	30.028	30.022	66.0	29.996	29.992	69.0	63	01.0	63.0	71.0	60.0	70.5	.283	NNE	A.M. Ovct.—lt. wind. P.M. Fine—lt. clds. & wind. Ev. Tremendous heavy rain between 4 and 6 P.M., with lightning & thunder—brisk wind.
T 30	30.076	30.070	66.5	30.048	30.044	68.0	61	02.0	63.0	67.4	60.0	72.0	1.827*	NW	Overcast—lt. wind throughout the day. Ev. The same.
W 31	30.202	30.198	66.0	30.208	30.202	65.0	48	06.5	56.5	61.5	50.0	69.0		N	A.M. Lightly overcast—light wind. P.M. Fine—light clouds and wind. Evening, Lightly overcast.
MEAN.	30.079	30.074	70.3	30.043	30.038	70.9	60	05.7	67.0	73.8	60.8	76.0	Sum. 3.800		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.971 .. 29.934 C. 29.965 .. 29.928

The Observations for AUGUST were not taken by the Assistant Secretary on account of absence.

* One of the heaviest showers, within the space of two hours, on the Royal Society's records.

METEOROLOGICAL JOURNAL FOR SEPTEMBER AND OCTOBER, 1842.

1842.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M. deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers. Fahrenheit. 9 A.M.	External Thermometers. Fahrenheit. 3 P.M.	External Thermometers. Self-registering. Lowest	External Thermometers. Self-registering. Highest	Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
SEPTEMBER															
T 1	30.034	30.028	62.0	*Omitted*	*Omitted*	*Omit.*	57	00.5	58.5	*Omit.*	55.0	62.0	.166	S	Overcast—light wind and rain throughout the day. Ev. The same.
F 2	30.170	30.162	65.3	30.188	30.180	67.7	64	05.5	68.7	74.2	58.0	70.3	.311	NNW	A.M. Cloudy—light breeze. P.M. Fine—light clouds and breeze. Evening, Fine and starlight.
S 3	30.286	30.278	66.2	30.252	30.244	68.5	63	04.6	62.5	69.2	60.4	76.0		NW	A.M. Overcast—light breeze. P.M. Fine—light clouds. Evening, Fine and starlight.
○ ⊙ 4	30.274	30.266	65.7	30.262	30.256	68.0	62	05.1	61.3	68.7	57.3	70.6		SW	Ditto ditto ditto.
M 5	30.268	30.260	65.0	30.172	30.164	67.7	61	06.5	63.7	68.8	56.4	70.2		SE	Fine—light clouds and breeze throughout the day. Ev. Fine and starlight.
T 6	30.008	30.000	66.0	29.968	29.960	67.3	60	07.1	64.0	69.3	57.6	71.3		SSE	A.M. Cloudy—light breeze. P.M. Fine—lt. clouds. Evening, Fine and starlight.
W 7	29.928	29.920	68.2	29.776	29.768	67.0	59	06.3	62.0	66.7	54.8	70.8		E	A.M. Fine—lt. clouds. P.M. Cloudy—lt. wind. Ev. Thunder and lightning, accompanied with very heavy rain.
T 8	29.466	29.458	70.0	29.514	29.506	64.7	62	07.8	63.4	56.7	60.3	70.4	.383	S	A.M. Fine—light clouds—high wind, as also high wind throughout the night. P.M. Ovct.—lt. rain—h. wind. Ev. Fine & starlight.
F 9	29.574	29.568	62.0	29.510	29.502	64.8	59	06.0	61.7	63.8	54.6	66.6	.594	S	Overcast—brisk wind throughout the day, with occasional lt. rain. Evening, early part, Overcast; after, Fine and starlight.
S 10	29.458	29.452	68.0	29.550	29.544	64.5	59	06.0	60.7	59.8	56.3	67.4	.022	SW var.	A.M. Fine—lt. clds. & wind. P.M. Cldy. with slt. rain. Ev. The same.
⊙ 11	29.720	29.714	65.7	29.700	29.696	63.2	57	06.1	59.9	63.8	52.7	65.0	.052	W	Fine—light clouds and wind throughout the day. Ev. Fine & starlight.
M 12	29.844	29.836	61.8	29.882	29.874	63.6	57	06.6	60.3	63.8	56.2	65.3		NW	Ditto ditto ditto.
T 13	30.144	30.136	66.0	30.152	30.144	63.9	58	04.4	59.0	63.8	52.4	66.4		N	A.M. Fine—light clouds and wind. P.M. Cloudy—light wind. Evening, Fine and starlight.
W 14	30.234	30.226	62.0	30.206	30.198	63.8	59	03.9	62.0	67.8	55.0	66.6		N	Fine—lt. clouds & wind throughout the day. Ev. Fine and moonlight.
T 15	30.216	30.208	62.3	30.154	30.146	64.5	60	03.1	61.5	67.0	57.2	70.0		N	A.M. Cloudy—light fog and wind. P.M. Fine—nearly cloudless. Evening, Fine and moonlight.
F 16	30.150	30.146	61.6	30.076	30.070	63.9	59	04.4	58.3	66.7	54.8	69.3		E	A.M. Light fog & wind. P.M. Cloudy—light wind. Ev. The same.
S 17	29.852	29.846	66.3	29.790	29.782	64.8	60	06.3	65.7	68.7	56.2	68.3		E	Fine—light clouds & wind throughout the day. Ev. Overcast—lt. rain.
⊙ 18	29.810	29.802	62.0	29.750	29.744	63.0	59	04.7	56.5	58.0	54.4	71.0	.261	N	Overcast—light rain and wind throughout the day. Ev. The same.
● M 19	29.644	29.638	61.7	29.628	29.620	63.0	59	05.5	61.0	60.3	52.4	65.4	.205	S	A.M. Fine—light clouds and wind. P.M. Dark heavy clouds—brisk wind—light rain. Evening, Fine and moonlight.
T 20	29.570	29.564	63.0	29.534	29.526	61.7	55	05.8	58.7	56.3	50.6	65.4	.033	SW	A.M. Fine—light clouds and wind. P.M. Cloudy, with occasional slight rain. Evening, Fine and moonlight.
W 21	29.534	29.526	62.0	29.540	29.534	61.3	54	04.5	57.7	60.2	49.7	64.3	.063	SSW	A.M. Fine—light clouds and wind. P.M. Cloudy—slight rain and wind. Evening, Fine and moonlight.
T 22	29.528	29.520	57.2	29.496	29.488	59.2	52	03.3	49.8	57.7	44.4	62.2		W	A.M. Overcast—light wind. P.M. Fine—lt. clds. & wind. Ev. Ovct.
F 23	29.534	29.526	58.4	29.480	29.472	58.0	51	03.7	52.3	54.7	46.7	59.7		S	Overcast—lt. rain & wind nearly the whole of the day. Ev. The same.
S 24	29.400	29.392	57.0	29.426	29.413	57.2	53	04.1	52.4	54.3	48.6	58.4	.630	E	A.M. Dark heavy clouds—lt. wind. P.M. Ovct—slt. rain. Ev. Ditto.
⊙ 25	29.580	29.572	56.4	29.616	29.610	58.5	54	03.0	55.7	61.0	46.6	57.3	.111	N	A.M. Light fog and wind. P.M. Fine—light clouds and wind. Evening, Overcast—light rain.
M 26	29.866	29.858	58.0	29.902	29.896	59.2	55	03.2	57.0	59.3	52.6	62.7	.338	N	A.M. Fine—lt. clouds & wind—heavy shower early. P.M. Cloudy—lt. wind. Evening, Dark heavy clouds—moon very bright.
T 27	29.934	29.926	55.6	29.896	29.890	55.9	50	03.3	52.2	51.7	50.5	62.0	.088	NNE	Overcast—light rain—brisk wind nearly throughout the day. Ev. Overcast—brisk wind.
W 28	30.110	30.102	56.0	30.098	30.090	56.3	50	03.9	52.7	55.7	50.0	54.8	.288	N	A.M. Overcast—brisk wind. P.M. Fine—lt. clds.—brisk wind. Ev. [Moonlight—dark clouds.
T 29	30.080	30.072	55.2	30.086	30.078	55.8	49	05.0	53.5	53.5	49.6	58.7		NE var.	A.M. Fine—light clouds—brisk wind. P.M. Cloudy—brisk wind—slight rain. Evening, Cloudy.
F 30	30.208	30.200	54.4	30.184	30.176	54.5	47	05.6	52.3	53.5	47.5	59.3		NE	A.M. Cloudy—brisk wind. P.M. Fine—nearly cloudless. Ev. Overcast—slight rain.
MEAN.	29.881	29.873	62.0	29.855	29.849	66.3	57	04.9	58.8	61.9	53.5	65.6	Sum. 3.545		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.796 .. 29.759 C. 29.787 .. 29.752
OCTOBER															
S 1	30.268	30.262	54.0	30.280	30.272	55.0	48	03.7	50.7	58.0	46.8	56.5		NW	A.M. Fine—light clouds and wind. P.M. Cloudy—light wind. Evening, Overcast—light fog.
⊙ 2	30.336	30.328	52.0	30.252	30.246	53.5	46	03.1	46.2	55.2	42.8	57.6		NNW	A.M. Light fog and wind. P.M. Slightly overcast—light wind. Evening, Fine and starlight.
M 3	30.106	30.098	51.5	30.042	30.034	54.2	47	03.6	50.2	57.7	45.8	56.7		NNW	A.M. Light fog & wind. P.M. Cloudy—light wind. Ev. Overcast.
○ T 4	30.096	30.092	52.5	30.098	30.092	53.7	46	04.7	50.3	54.3	45.2	59.4		NNW	A.M. Fine—light clouds and wind—light fog early. P.M. Cloudy—light wind. Evening, Fine and starlight.
W 5	30.236	30.228	50.0	30.230	30.222	51.3	43	02.7	43.3	51.8	42.3	56.0		NNW	A.M. Light fog & wind. P.M. Fine—nearly cloudless. Evening, Starlight—light fog. [few stars.
T 6	30.334	30.326	49.8	30.302	30.294	52.3	42	03.5	46.0	57.2	42.7	48.3		NW	A.M. Light fog & wind. P.M. Cloudy—lt. wind. Ev. Light fog—
F 7	30.314	30.306	52.3	30.284	30.276	53.7	47	04.3	51.4	58.8	46.8	59.3		W	A.M. Fine—light clouds and wind. P.M. Cloudy—light wind. Evening, Fine and starlight.
S 8	30.416	30.408	54.3	30.440	30.432	55.6	50	03.0	53.9	57.7	51.0	60.7		N	A.M. Fine—light clouds and wind. P.M. Cloudy—slight rain and wind. Evening. The same.
⊙ 9	30.540	30.532	53.3	30.500	30.494	55.0	48	02.0	51.3	56.5	48.5	50.2		N	Overcast—light wind throughout the day. Evening, The same.
M 10	30.510	30.502	54.0	30.468	30.460	55.0	48	04.6	53.7	55.2	51.0	58.2		N	Cloudy—light wind throughout the day. Ev. Fine and starlight.
T 11	30.410	30.402	53.2	30.346	30.338	54.3	46	02.5	47.8	57.8	46.3	56.3		NNW	Fine—light clouds and fog throughout the day. Ev. Fine & starlight.
W 12	30.332	30.324	54.6	30.278	30.270	55.7	49	03.4	52.4	54.7	48.3	59.6		NNW	A.M. Fine—nearly cloudless—light wind. P.M. Cloudy—light wind. Evening, Overcast—very slight rain.
T 13	30.302	30.296	53.7	30.282	30.274	55.0	48	04.2	51.7	54.7	49.2	58.3		N	Overcast—light wind throughout the day. Ev. Overcast—light fog.
F 14	30.252	30.246	52.2	30.244	30.236	53.3	47	04.0	48.8	53.4	45.9	56.3		NNW	A.M. Light fog and wind. P.M. Overcast—lt. fog. Ev. The same.
S 15	30.312	30.304	52.7	30.286	30.282	53.5	49	02.6	51.0	54.6	49.5	54.7		W	A.M. Thick fog—lt. wind. P.M. Overcast—light wind. Evening, The same—light fog.
⊙ 16	30.288	30.282	53.2	30.234	30.230	54.6	48	03.5	51.7	55.8	51.3	55.8		W	Overcast—light fog and wind throughout the day. Ev. Light fog.
M 17	30.070	30.062	53.0	29.910	29.902	53.8	51	03.3	51.7	52.7	51.0	57.6		NNW	Foggy throughout the day, as also the evening.
T 18	29.482	29.476	53.3	29.334	29.328	54.2	48	04.3	52.0	53.0	49.6	54.2		S	A.M. Fine—light clouds and wind. P.M. Cloudy—slight rain and wind. Evening, Overcast—light rain.
● W 19	29.280	29.272	50.0	29.428	29.420	51.0	42	02.5	42.3	47.7	40.8	57.8	.488	W	A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, Fine and moonlight.
T 20	29.672	29.664	45.6	29.686	29.678	47.0	38	03.0	37.3	45.0	36.6	48.2		W	Fine—nearly cloudless—light wind throughout the day. Ev. Fine and moonlight.
F 21	29.912	29.904	43.8	29.948	29.940	44.8	33	03.5	38.0	44.8	34.3	47.0		NW	Fine—lt. clouds & wind throughout the day. Ev. Fine & starlight.
S 22	29.700	29.692	41.9	29.238	29.230	43.5	36	03.4	40.0	46.3	32.7	45.7		S	A.M. Overcast—light wind. P.M. Overcast—light rain—high wind. Evening, The same. [Ev. Overcast.
⊙ 23	28.792	28.788	44.3	28.818	28.814	46.0	40	01.5	44.7	47.0	39.7	48.8	.444	S	A.M. Fine—lt. clouds & wind—rain early. P.M. Ovct.—lt. shower.
M 24	29.194	29.186	44.0	29.390	29.384	45.7	39	02.8	42.3	45.3	37.5	50.6		W	A.M. Overcast—light fog and wind—slight rain. P.M. Cloudy—light wind. Evening, Fine and moonlight.
T 25	29.634	29.626	42.4	29.486	29.480	44.3	37	03.4	41.3	46.5	35.7	46.7	.013	SSE	Overcast—light rain—fog and wind nearly the whole of the day. Evening, The same.
W 26	29.590	29.582	43.0	29.634	29.626	54.5	38	03.3	37.8	44.0	34.0	49.0	.344	S	A.M. Fine—light clouds & wind—high wind throughout the night. P.M. Fine—lt. clouds. Ev. Fine and starlight. [Lt. fog.
T 27	29.700	29.692	43.0	29.712	29.704	45.0	38	02.2	42.4	49.4	38.3	45.3		S	A.M. Fine—lt. clds. & wind. P.M. Fine—lt. clouds—slight rain. Ev.
F 28	29.552	29.546	44.0	29.636	29.630	45.9	39	01.6	40.5	48.8	40.0	51.0		W	Fine—lt. clouds & wind throughout the day. Ev. Starlight—lt. fog.
S 29	29.806	29.798	43.0	29.866	29.858	44.8	36	01.6	37.3	47.8	35.2	50.6		SSW	Fine—lt. clouds & fog throughout the day. Ev. Starlight—lt. fog.
⊙ 30	30.116	30.108	42.8	30.150	30.144	44.0	36	01.7	37.4	48.0	34.8	49.0		SW	Fine—light clouds throughout the day—fog early. Evening, Starlight—light fog.
M 31	30.268	30.260	45.0	30.262	30.254	47.3	40	03.1	47.7	51.8	37.6	49.7		S	A.M. Light fog & wind. P.M. Overcast. Evening, Fine & starlight.
MEAN.	29.994	29.987	49.1	29.970	29.963	50.9	43	03.1	46.2	52.0	42.9	53.4	Sum. 1.289		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.943 .. 29.914 C. 29.935 .. 29.906

METEOROLOGICAL JOURNAL FOR NOVEMBER AND DECEMBER, 1842.

1842.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M. deg. Fahr.	Diff. of Wet and Dry Bulb Ther.	External Thermometers. Fahrenheit. 9 A.M.	External Thermometers. Fahrenheit. 3 P.M.	External Thermometers. Self-registering. Lowest	External Thermometers. Self-registering. Highest	Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
NOVEMBER															
T 1	30.234	30.226	47.0	30.172	30.164	47.8	43	01.7	44.9	51.3	43.2	53.4		SSW	A.M. Fine—light clouds and wind. P.M. Fine—nearly cloudless. Evening, Light fog.
○ W 2	30.140	30.132	47.4	30.096	30.088	48.8	45	01.3	48.3	50.8	43.8	52.6		E	Overcast—deposition—light wind throughout the day. Evening, Fine and starlight—light fog.
T 3	30.000	29.994	46.7	29.956	29.948	47.7	42	02.2	43.3	47.4	42.0	52.0		N	A.M. Overcast—brisk wind. P.M. Cloudy—lt. wind. Ev. Overcast—slight rain.
F 4	30.060	30.052	44.8	30.126	30.120	45.0	38	01.8	39.5	38.8	37.8	49.0		NNW	A.M. Fine—light clouds and wind. P.M. Cloudy—light rain and snow. Evening, Cloudy—light fog.
S 5	30.190	30.182	43.0	30.120	30.112	44.4	37	03.5	42.0	45.4	37.4	43.4	.033	N	A.M. Fine—light clouds and wind—light rain early. P.M. Cloudy—light wind. Evening, Overcast—very slight rain.
☉ 6	30.202	30.194	41.8	30.158	30.150	43.0	36	02.2	38.3	42.3	36.7	46.8		N	Cloudy—lt. wind throughout the day. Ev. The same, with light fog.
M 7	30.130	30.122	42.7	30.128	30.120	44.6	39	02.7	42.3	45.6	38.4	43.6		NW	A.M. Cloudy—brisk wind—slight rain early. P.M. Cloudy—brisk wind—slight rain. Evening, Light fog.
T 8	30.152	30.144	43.6	30.078	30.070	44.4	39	02.3	42.3	44.3	40.6	48.2		NW	Cloudy—brisk wind throughout the day. Ev. Overcast—light fog.
W 9	29.806	29.798	44.0	29.700	29.692	45.2	37	03.8	43.7	45.5	41.8	45.7		S	Cloudy—high wind throughout the day. Ev. Ovct.—lt. rain—h. wind.
T 10	29.684	29.676	46.6	29.636	29.628	48.0	45	01.7	48.4	49.7	44.0	49.8	.038	S	Overcast—brisk wind throughout the day—very high wind throughout the night. Evening, The like.
F 11	29.180	29.172	47.2	29.002	28.998	49.4	45	02.8	50.7	51.7	43.2	52.3	.019	S	A.M. Cloudy—high wind—light rain early—very high wind throughout the night. P.M. Ovct.—lt. rain—high wind. Ev. Overcast.
S 12	29.122	29.116	50.6	29.332	29.326	51.6	48	01.6	51.5	53.8	49.5	55.0	.261	W	A.M. Cloudy—high wind—light rain—very high wind throughout the night. P.M. Cloudy—high wind. Ev. Fine and starlight.
☉ 13	29.512	29.506	50.6	29.256	29.248	51.3	47	01.9	50.0	52.3	48.0	55.5	.494	SSE	Ovct.—lt. rain—high wind nearly the whole of the day. Ev. The same.
M 14	29.720	29.714	50.6	29.804	29.798	51.3	47	02.2	47.7	47.7	46.7	55.0	.266	W	A.M. Light fog and wind. P.M. Fine—light clouds. Ev. Overcast—light rain—high wind.
T 15	29.686	29.680	48.8	29.618	29.612	48.3	45	00.2	43.3	44.5	43.7	51.6	.625	E	Overcast—rain, with lt. wind nearly the whole day. Ev. The same.
W 16	29.762	29.754	47.8	29.790	29.782	47.7	43	00.6	44.0	44.3	43.6	47.0	.355	NE	Overcast—high wind, with occasional rain throughout the day. Evening, Fine and starlight.
T 17	30.232	30.224	44.0	30.360	30.352	44.6	37	03.5	40.7	43.7	39.2	45.3	.033	NNE	Ovct.—brisk wind throughout the day. Ev. Moonlight—lt. clouds.
● F 18	30.582	30.574	44.2	30.532	30.526	45.0	37	03.7	41.3	43.3	40.2	45.0		E	A.M. Light fog and wind. P.M. Fine—light clouds. Evening, Fine and moonlight—light clouds.
S 19	30.232	30.224	43.3	30.060	30.052	44.7	41	04.0	43.8	47.3	38.4	45.3		S	A.M. Overcast—very slight rain—high wind. P.M. Overcast—light wind. Evening, Overcast—light rain and wind.
☉ 20	29.788	29.780	47.2	29.774	29.768	48.0	44	02.4	46.7	47.0	37.8	52.8	.677	N	Overcast—brisk wind throughout the day. Ev. The same—lt. fog.
M 21	29.800	29.794	44.8	29.824	29.816	45.2	38	02.5	40.3	43.7	40.3	49.6		N	Fine—lt. clouds and wind throughout the day. Ev. Overcast—lt. fog.
T 22	29.420	29.412	42.9	29.284	29.278	42.7	37	01.2	35.7	37.0	36.4	45.3	.244	SE	Overcast—light wind, rain, and snow nearly the whole of the day. Evening, Fine and starlight.
W 23	29.496	29.488	41.0	29.590	29.584	42.4	37	01.4	38.4	43.7	35.6	39.4	.177	S	A.M. Fine—lt. clouds & wind. P.M. Cloudy—lt. rain. Ev. Ovct.—light rain and wind.
T 24	28.908	28.900	43.6	28.916	28.908	45.2	40	02.0	43.7	47.0	38.7	46.3	.105	S	A.M. Fine—light clouds and wind. P.M. The same, with light shower. Evening, Overcast—heavy rain—high wind.
F 25	28.900	28.896	45.0	28.878	28.872	46.0	42	02.5	44.2	46.3	42.8	48.2	.300	S var.	A.M. Cloudy—light rain—very high wind, as also throughout the night. P.M. Fine—lt. clouds & wind. Ev. Overcast—brisk wind.
S 26	29.094	29.088	44.5	29.170	29.164	45.6	40	03.2	43.4	47.6	41.3	47.6	.105	SSE	Fine—lt. clouds & wind throughout the day. Ev. Fine & starlight.
☉ 27	29.366	29.358	44.2	29.314	29.306	45.0	40	01.8	42.7	45.8	40.2	49.0		S	A.M. Overcast—slight rain and wind. P.M. Fine—light clouds and wind. Evening, Light fog and rain.
M 28	28.944	28.938	46.3	28.892	28.886	48.3	45	02.7	49.3	52.3	43.0	50.8	.222	SE	A.M. Fine—light clouds and wind—light rain early. P.M. Cloudy—light wind. Evening, Fine and starlight.
T 29	29.540	29.532	47.0	29.546	29.540	48.0	42	01.9	44.4	48.4	44.2	54.3	.061	SE	Fine—light clouds and wind nearly the whole of the day. Evening, Overcast—light fog.
W 30	29.662	29.654	47.2	29.860	29.852	48.0	44	01.3	46.2	47.3	44.6	51.2	.033	W	A.M. Light fog—rain early. P.M. Fine—lt. clouds. Ev. Light fog.
MEAN.	29.718	29.711	45.6	29.699	29.692	46.6	41	02.3	44.0	46.5	41.4	49.0	Sum. 4.048		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.676 .. 29.655 C. 29.668 .. 29.647
DECEMBER															
T 1	30.062	30.054	47.8	30.036	30.030	49.5	46	01.3	49.7	51.5	43.3	51.0		SE	A.M. Cloudy—very slight rain—brisk wind. P.M. Overcast—brisk wind. Evening, The same.
○ F 2	30.110	30.102	51.6	30.108	30.100	52.9	49	02.2	52.0	54.3	49.8	55.0		SSE	A.M. Overcast—very slight rain—brisk wind—high wind throughout the night. P.M. Cloudy. Evening, Fine and starlight.
S 3	30.252	30.246	50.0	30.318	30.310	51.0	46	02.0	46.7	52.8	45.5	56.3		S	A.M. Fine—light clouds and wind. P.M. Cloudy—deposition—light wind. Evening, Thick fog.
☉ 4	30.454	30.446	50.0	30.406	30.398	51.0	47	01.3	47.7	50.7	44.4	54.7		W	A.M. Lt. fog & wind. P.M. Cloudy—lt. wind. Ev. Lt. fog & wind.
M 5	30.344	30.336	49.4	30.286	30.280	50.2	44	01.5	44.7	49.3	44.6	52.6		SSW	A.M. Lightly ovct.—lt. wind. P.M. Cldy.—lt. wind. Ev. Thick fog.
T 6	30.264	30.256	47.8	30.226	30.218	47.4	43	01.3	41.3	41.3	40.8	50.6		SSE	A.M. Overcast—deposition—lt. fog. P.M. Thick fog. Ev. The same.
W 7	30.350	30.342	45.2	30.352	30.344	45.0	38	01.6	39.5	40.3	37.8	42.8		W	Light fog and wind throughout the day. Evening, The same.
T 8	30.442	30.434	43.6	30.422	30.416	43.7	39	01.4	37.3	39.8	36.0	41.6		W	Thick fog—light wind nearly the whole of the day. Evening, Starlight—light fog.
F 9	30.424	30.418	43.8	30.372	30.364	44.6	40	02.1	41.7	43.7	36.6	43.2		W	A.M. Light fog and wind. P.M. Overcast—lt. wind. Ev. Light fog.
S 10	30.256	30.250	43.8	30.212	30.204	43.6	38	02.1	37.8	38.8	37.5	45.0		SE	Cloudy—light wind throughout the day. Evening, Lightly overcast.
☉ 11	30.026	30.018	42.3	29.956	29.950	43.0	38	01.0	38.7	42.4	37.3	40.8		E	Overcast—lt. wind throughout the day. Ev. Overcast—slight rain.
M 12	29.820	29.814	45.0	29.906	29.900	48.2	43	02.4	50.3	54.4	38.8	51.5	.269	SE	Overcast—slight rain—brisk wind nearly the whole of the day. Evening, Overcast.
T 13	30.076	30.070	51.3	30.066	30.058	52.0	48	02.0	51.6	54.8	38.8	56.5		SE	A.M. Fine—light clouds. P.M. Fine—nearly cloudless—light wind. Evening, Fine and starlight—light clouds.
W 14	30.144	30.136	51.3	30.134	30.126	52.0	48	01.4	49.8	53.7	49.2	57.5		S	A.M. Lightly overcast—light wind. P.M. Fine—light clouds. Evening, Fine and starlight.
T 15	30.164	30.156	50.2	30.160	30.152	51.5	46	02.3	48.3	52.8	46.8	55.0		S	Fine—light clouds and wind throughout the day. Evening, Cloudy.
F 16	30.090	30.082	51.3	30.014	30.006	52.3	48	02.6	50.0	53.8	47.7	54.6		S	Overcast—light wind throughout the day. Ev. Cloudy—slight rain.
● S 17	30.002	29.994	52.3	30.110	30.102	52.6	48	02.5	50.5	48.4	50.2	55.6	.050	SSW	Fine—light clouds and wind throughout the day. Evening, Fine and moonlight—light clouds.
☉ 18	30.314	30.306	47.8	30.332	30.328	48.0	42	01.2	39.4	46.3	39.3	52.6		S	Fine—light clouds and wind throughout the day. Evening, Fine and moonlight.
M 19	30.518	30.512	45.6	30.514	30.506	46.0	40	00.8	39.3	44.3	39.0	46.0		W	A.M. Overcast—light fog. P.M. Fine—light clouds. Ev. Cloudy.
T 20	30.430	30.422	45.3	30.400	30.392	46.6	43	01.4	45.7	50.2	39.0	46.4		S	Overcast—deposition—lt. wind throughout the day. Ev. The same.
W 21	30.328	30.320	49.3	30.320	30.312	50.5	46	00.8	51.3	53.0	39.0	51.4		W	Overcast—lt. wind throughout the day. Ev. Overcast—deposition.
T 22	30.194	30.186	51.5	30.068	30.060	51.8	46	01.2	50.2	51.7	49.0	56.3		S	A.M. Fine—light clouds and wind. P.M. Fine—nearly cloudless. Evening, Overcast.
F 23	29.636	29.630	51.3	29.586	29.580	51.3	48	01.5	47.4	46.4	47.6	53.8	.075	S	A.M. Overcast—slight rain. P.M. Overcast—deposition. Ev. Fine and starlight.
S 24	29.696	29.690	45.8	29.722	29.714	45.7	39	01.6	36.7	41.7	36.2	47.4	.097	S	A.M. Fine—nearly cloudless—light wind and frost. P.M. Fine—nearly cloudless. Evening, Fine and starlight.
☉ 25	29.848	29.842	42.0	29.742	29.738	44.0	37	01.7	36.7	46.3	35.0	42.4		S	A.M. Fine—nearly cloudless—light wind and frost. P.M. Overcast—lt. wind. Ev. Overcast—very fine rain—high wind.
M 26	29.566	29.560	46.7	29.428	29.422	48.0	45	02.0	48.8	48.7	37.3	50.3	.022	S var.	A.M. Overcast—high wind, as also during the night. P.M. The same, with slight rain. Evening, The same.
T 27	29.364	29.356	47.5	29.482	29.476	48.0	43	01.6	43.7	45.7	44.0	50.6	.161	S	A.M. Ovct.—lt. rain & wind. P.M. Fine—lt. clds. Ev. Starlight—lt. fog.
W 28	30.030	30.024	42.8	30.126	30.118	43.0	36	01.4	35.0	41.3	34.7	47.0		W	A.M. Fine—light clouds—fog and wind. P.M. Fine—nearly cloudless. Evening, Fine and starlight.
T 29	30.152	30.146	43.0	30.152	30.144	44.7	42	02.2	47.0	50.7	35.4	48.2		SW	Overcast—light brisk wind nearly the whole of the day; early part, very slight rain. Evening, Overcast.
F 30	30.222	30.216	47.4	30.212	30.206	49.4	45	02.5	52.3	54.3	47.2	53.3		S var.	Cloudy—light wind throughout the day. Evening, Overcast.
○ S 31	30.144	30.140	50.3	30.046	30.040	51.3	47	01.9	51.3	54.3	50.6	55.4		S var.	Cloudy—brisk wind throughout the day. Evening, Early part, slight rain; after, fine and starlight.
MEAN.	30.120	30.113	47.5	30.103	30.097	48.4	44	01.7	45.2	48.3	41.9	50.5	Sum. .674		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 30.073 .. 30.053 C. 30.065 .. 30.047